Fig. 5 shows a result of BKαβ1 channel activation by administration of dichlorodehydroabietic acid as a representative compound of the compounds represented by the formula (II) (single-channel current recording). In the figure, A shows results of observing changes in channel opening probability when the holding potential was maintained at +40 mV, B shows histograms of channel opening and closing events, obtained from original traces, and C shows a relation between concentration and effect.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

The terms used in the present specification have the following meanings.

When "alkyl" is referred to, it means any form of straight, branched, cyclic, and a combination thereof. For example, C_1-C_{12} alkyl, preferably C_1-C_8 alkyl, more preferably C_1-C_6 alkyl, and particularly preferably C_1-C_4 alkyl may be used. The alkyl moiety in the substituents having an alkyl moiety referred to in the present specification (e.g., alkenyl, halogenated alkyl, alkoxy, hydroxyalkyl,etc.) has the same meaning.

Positions and number of the double bonds contained in alkenyl are not particularly limited, and the number of the double bonds is preferably 1 to 3, more preferably 1 or 2,